Parallel Computing 7 (1988) 505–506
North-Holland

Author Index to Volume 7 (1988)

(The issue number is given in front of page numbers)

Alef, M. *see* **Seldner, D.** (3) 445–449

Babb II, R.G., Storc, L. and **Hiromoto, R.**, Developing a parallel Monte Carlo transport algorithm using large-grain data flow (2) 187–198
Bast, H.-J., *see* **Kremer, U.** (3) 387–393
Bekakos, M.P., Evans, D.J. (1) 111–130

Campbell, M.L., *see* **J.L. Gaudiot** (2) 227–247
Capdevila, H., Solutions of 2-D Euler equations with a parallel code (3) 451–460

Darema, F., George, D.A., Norton, V.A. and **Pfister, G.F.**, A single-program-multiple-data computational model for EPEX/FORTRAN (1) 11– 24
De Doncker, E., *see* **Kapenga, J.A.** (2) 211–225

Ercegovac, M.D., Heterogeneity in supercomputer architectures (3) 367–372
Evans, D.J. and **Bekakos, M.P.**, The solution of linear systems by the Q1F algorithm on a wavefront array processor (1) 111–130

Feo, J.T., An analysis of the computational and parallel complexity of the Livermore Loops (2) 163–185
Franke, B., Harneit, R., Kern, A. and **Zeidler, H.C.**, The Pipeline Bus: An interconnection network for multiprocessor systems (3) 403–412

Gaudiot, J.L., Pi, J.I. and **Campbell, M.L.**, Program graph allocation in distributed multicomputers (2) 227–247
George, D.A., *see* **Darema, F.** (1) 11– 24
Gerndt, M., *see* **Kremer, U.** (3) 387–383
Gilbert, J.R., *see* **Zmijewski, E.** (2) 199–210
Giloi, K., SUPRENUM: A trendsetter in modern supercomputer development (3) 283–296
Goldmann, M., Vectorisation of the multiple shooting method for the nonlinear boundary value problem in ordinary differential equations (1) 97–110
Gorges-Schleuter, M., *see* **H. Mühlenbein** (1) 65– 85
Gutheil, I., SUPRENUM software for the symmetric eigenvalue problem (3) 419–424

Halter, E., *see* **Seldner, D.** (3) 445–449
Harneit, R., *see* **Franke, B.** (3) 403–412
Herzog, U., Performance evaluation principles for vector- and multiprocessor systems (3) 425–438
Hiromoto, R., *see* **Babb II, R.G.** (2) 187–198
Höpfl, F., *see* **Lehmann, L.** (3) 395–401
Hossfeld, F., Vector-supercomputers (3) 373–385

Kammer, H. The SUPRENUM vector floating-point unit (3) 315–323
Kampe, F.C. and **Nguyen, T.**, Performance comparison of the CRAY-2 and CRAY X-MP on a class of seismic data processing algorithms (1) 41– 53
Kapenga, J.A. and **De Doncker, E.**, A parallelization of adaptive task partitioning algorithms (2) 211–225
Kern, A., *see* **Franke, B.** (3) 403–412
Kolp, O. and **Mierendorff, H.**, Performance estimations for SUPRENUM systems (3) 357–366
Krämer, O. *see* **Mühlenbein, H.** (1) 65– 85
Kremer, U., Bast, H.-J., Gerndt, M. and **Zima, H.P.** Advanced tools and techniques for automatic parallelization (3) 387–393
Kunde, M., Lang, H.-W., Schimmler, M., Schmeck, H. and **Schröder, H.** The instruction systolic array and its relation to other models of parallel computers (1) 25– 39

0167-8191/88/$3.50 © 1988, Elsevier Science Publishers B.V. (North-Holland)

Lang, H.-W., *see* **Kunde, M.** (1) 25–39
Lehmann, L. and **Höpfl, F.**, A model of distributed recovery for the SUPRENUM multiprocessor (3) 395–401
Linden, J., **Steckel, B.** and **Stüben, K.**, Parallel multigrid solution of the Navier–Stokes equations on general 2D domains (3) 461–475

McBryan, O.A.,, New architectures: Performance highlights and new algorithms (3) 477–499
Michielse, P.H. and **Van der Vorst, H.A.**, Data transport in Wang's partition method (1) 87–95
Mierendorff, H., *see* **Kolp, O.** (3) 357–366
Miyakawa, M., *see* **Stojmenović, I.** (2) 249–251
Mühlenbein, H., **Gorges-Schleuter, M.** and **Krämer, O.**, Evolution algorithms in combinatorial optimization (1) 65–85

Nguyen, T.M., *see* **Kampe, F.C.** (1) 41–53
Norton, V.A., *see* **Darema, F.** (1) 11–24

Ortega, J.M., The *ijk* forms of factorization methods I. Vector computers (2) 135–147
Ortega, J.M. and **Romine, C.H.**, The *ijk* forms of factorization methods II. Parallel systems (2) 149–162

Peinze, K., The SUPRENUM preprototype: Status and experiences (3) 297–313
Pfister, G.F., *see* **Darema, F.** (1) 11–24
Pi, J.I., *see* **Gaudiot, J.L** (2) 227–247
Poplawski, D.A., Mapping rings and grids onto the FPS T-Series hypercube (1) 1–10

Robert, Y. and **Trystram, D.**, Comments on scheduling parallel iterative methods on multiprocessor systems (*Short Communication*) (2) 253–255
Romine, C.H., *see* **Ortega, J.M.** (2) 149–162
Rönsch, W. and **Strauss, H.**, A linear algebra package for a local memory multiprocessor: Problems, proposals and solutions (3) 413–418

Schäffler, G., Connecting PEACE to UNIX (3) 335–339
Schmeck, H., *see* **Kunde, M.** (1) 25–39
Schimmler, M., *see* **Kunde, M.** (1) 25–39
Schröder, H., *see* **Kunde, M.** (1) 25–39
Schröder, W., PEACE: The distributed SUPRENUM operating system (3) 325–333
Seldner, D., **Alef, M.**, **Westermann, T.** and **Halter, E.**, Parallel particle simulation in high voltage diodes (Algorithms and concepts for implementation on SUPRENUM) (3) 445–449
Solchenbach, K., Grid applications on distributed memory architectures: Implementation and evaluation (3) 341–356
Solchenbach, K. and **Trottenberg, U.**, SUPRENUM: System essentials and grid applications (3) 265–281
Steckel, B., *see* **Linden, J.** (3) 461–475
Steffen, B., Implementation of a resonant cavity package on MIMD computers (1) 55–63
Stojmenović, I. and **Miyakawa, M.**, An optimal parallel algorithm for solving the maximal elements problem in the plane (*Short Communication*) (2) 249–251
Storc, L., *see* **Babb II, R.G.** (2) 187–198
Strauss, H., *see* **Rönsch, W.** (3) 413–418
Stüben, K., *see* **Linden, J.** (3) 461–475

Trottenberg, U., Editorial (3) 263–264
Trottenberg, U., *see* **Solchenbach, K.** (3) 265–281
Trystram, D., *see* **Robert, Y.** (2) 253–255

Van der Vorst, H.A., *see* **Michielse, P.H.** (1) 87–95

Westermann, T., *see* **Seldner, D.** (3) 445–449
Williams, R., Free-Lagrange hydrodynamics with a distributed-memory parallel processor (3) 439–443

Zeidler, H.C., *see* **Franke, B.** (3) 403–412
Zima, H.P., *see* **Kremer, U.** (3) 387–393
Zmijewski, E. and **Gilbert, J.R.**, A parallel algorithm for sparse symbolic Cholesky factorization on a multiprocessor (2) 199–210